

## Bibliographic Information

**Thiazoles.** Himizu, Junichi; Hirakura, Minoru; Watanabe, Masao. (Tanabe Seiyaku Co., Ltd.). Jpn. Tokkyo Koho (1969), 3 pp. CODEN: JAXXAD JP 44032406 19691224 Showa. Patent written in Japanese. Application: JP 19660826. CAN 72:79030 AN 1970:79030 CAPLUS (Copyright 2002 ACS)

## Patent Family Information

<u>Patent No.</u>	<u>Kind</u>	<u>Date</u>	<u>Application No.</u>	<u>Date</u>
JP 44032406	B4	19691224	JP	19660826

## Abstract

AcOH (117 ml) contg. 37 mg/ml Cl is dropped into a stirred mixt. of 5 g cyclohexanone, 9.8 g Pb thiocyanate, and 10 ml AcOH during 30 min, the mixt. satd. with Cl gas and stirred at room temp. 53 hr, small amt. of H<sub>2</sub>O added, the mixt. filtered, the sepd. oil collected, the filtrate extd. with C<sub>6</sub>H<sub>6</sub>, the ext. combined with the oil and evapd. in vacuo to give 6.6 g 2-chloro-4,5,6,7-tetrahydrobenzothiazole, b<sub>1.5</sub> 82-3°. Similarly prepd. are 2-chloro-5-methyl-4,5,6,8-tetrahydrobenzothiazole, b<sub>1.567-9°</sub> 2-chlorocycloheptano[1,2-d]thiazole, b<sub>1.5</sub> 76-8°, 2-chloro-4-methylthiazole, b<sub>33</sub> 64-5°, 2-chloro-4-phenylthiazole, b<sub>0.1</sub> 95-100° 2-chloro-4-(p-chlorophenyl)thiazole, b<sub>0.001</sub> 130-3°, and 2-chloro-4-(3,4-dichlorophenyl)thiazole, b<sub>0.0002</sub> 135-7°.